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PATENT APPLICATION 7/1660

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Daisuke KOJIMA et al.

Group Art Unit: Unknown

Application No.: 10/086,543

Examiner: Unknown

Filed: March 4, 2002

Docket No.: 112117

For: DRIVING METHOD AND DEVICE FOR ELECTRO-OPTIC ELEMENT, AND ELECTRONIC EQUIPMENT

SUPPLEMENTAL PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, and further to the Preliminary Amendment filed on

April 15, 2002, please amend the above-identified Application as follows.

IN THE SPECIFICATION:

Please replace paragraph [0016] as follows: 36   5-31-07

[0016] Fig. 10 shows sub-fields. As shown in Fig. 10, one frame (1F) can be composed of sub-fields SF1-SF7. A weight assigned to the length of the sub-fields SF1-SF3 is set small, whereas a weight assigned to the length of the sub-fields SF5-SF7 is set large. For example, assume that grayscale data, which is supplied to the electro-optic device and defines a level of grayscale the pixels should display, determines 16 levels with four bits. Then, the length of each of the sub-fields SF1-SF3 corresponds to the level 1, and the length of each of the sub-fields SF5-SF7 corresponds to the level 4. In other words, the length of each of the sub-fields SF5-SF7 is substantially equal to the sum of a total of the lengths of the three sub-fields SF1-SF3 and the length of one of these sub-fields. In order to give a threshold voltage Vth relating to the driving of liquid crystals, the sub-field SF4 provided between the sub-fields SF1-SF3 and the sub-fields SF5-SF7 is always kept switched ON regardless of a level of grayscale.